



7 February 2005

INFORMATION PAPER

SUBJECT: Iao Stream, Maui, Hawaii

1. Purpose: To provide information on the subject project.
2. Points of Major Interest and Facts.

a. The Honolulu District is preparing a Design Documentation Report (DDR) under the “Modification to Completed Projects” program. The DDR will evaluate the selected plan and include an Environmental Assessment (EA) to evaluate the alternative measures. The DDR and EA are scheduled for completion in the summer of 2005. The report must be approved and used as the basis for construction plans and specifications, and a Project Cooperation Agreement between the U.S. Army Corps of Engineers (USACE) and the sponsor, the County of Maui. The issue is the selection of a plan that will be affordable to the County, meet technical requirements, and be accepted by the sponsor and public interests.

b. Administration did not budget FY06 funds for the project. Lack of funds is expected to delay completion of the design.

c. The Iao Stream drainage basin is approximately 10 square miles and is located in Wailuku, Maui. The project is authorized under the Flood Control Act of 1968 (Public Law 90-483). The project includes a debris basin located about 2.5 miles upstream of the mouth of ‘Iao Stream; channel improvements from the debris basin to about 1,100 feet downstream of Market Street Bridge; diversion levees and flood plain management from the channel improvements to the Waiehu Beach Road; and channel improvements about 1,400 feet downstream of Waiehu Bridge. The standard project design discharge is 26,500 cubic feet per second (cfs) at the stream mouth. The original project was completed in October 1981 and has prevented an estimated \$24.2 million in damages to date. The project’s condition rating is listed “acceptable” during the last annual inspection, January 2005.

d. High stream flows undermined floodplain levees along a reach about 0.8 miles above Waiehu Beach Road in late 1981. The current investigation is underway to formulate and design alternatives that will correct the deficient levee system in the middle reaches of the project. Four alternatives were developed, and the County has expressed its preference for the “environmental alternative.” The environmental alternative is also preferred by USACE and several resource agencies.